Transportation Coordinators’ Automated Information for Movements System II (TC-AIMS II)

Executive Summary
- The Army Test and Evaluation Command (ATEC) conducted operational testing of the Transportation Coordinators’ Automated Information for Movements System II (TC-AIMS II) Block 3 capability during April and May 2007 at U.S. Army Europe.
- Operational testing was adequate and was conducted in accordance with a DOT&E-approved Test and Evaluation Master Plan and operational test plan.
- TC-AIMS II Block 3 is operationally effective, suitable, and survivable.
- TC-AIMS II requires additional operational testing to verify Block 2 software fixes. The operational testing should validate the Army’s mobility concept of operations and evaluate the end-to-end integration of Blocks 2 and 3 for operational effectiveness and suitability prior to a full-fielding decision for the system.

System
- The TC-AIMS II is a joint Major Automated Information System that interfaces with joint and Service movement and command and control systems, providing commanders in-transit information during movement operations.
- The Army is fielding TC-AIMS II in three blocks:
  - Block 1: Basic Unit Movement provides the Army and Navy with an initial, limited unit level mobilization capability.
  - Block 2: Enhanced Unit Movement provides the Army and Navy with enhanced capability to support all phases of mobilization from the home station to the port of embarkation.
  - Block 3: Joint Reception, Staging, Onward Movement and Integration (JRSOI) provides capability needed to complete the movement from port of debarkation and staging areas onward to forward tactical assembly areas.

Mission
Commanders utilize TC-AIMS II to execute movement operations. These operations include:
- Providing movement requirements to U.S. Transportation Command to order strategic movement assets in support of operations for combatant commanders.
- Providing in-transit data to the Global Transportation Network in support of U.S. Transportation Command
- Supporting day-to-day traffic management operations in support of the Installation/Traffic Management Office
- Supporting in-theater distribution and movement control of deploying personnel and equipment in support of battlefield commanders.

Activity
- ATEC conducted operational testing on TC-AIMS II Block 3 with U.S. Army Europe units at Kaiserslautern, Germany, in March and April 2007.
- The OT&E was conducted in accordance with DOT&E-approved test plans.
- ATEC used existing Block 2 data to stimulate Block 3 functionality to assess its operational effectiveness and suitability. The operational test did not assess TC-AIMS II Block 2 general purpose users, capabilities, or end-to-end integrated capabilities of Blocks 2 and 3.
- The Army users participating in the Block 3 operational test consisted of lower, middle, and senior grade enlisted soldiers; civilian mobility coordination specialists; and middle grade transportation and mobility warrant officers and civilian managers. The Navy users included senior grade enlisted sailors and civilian mobility coordination specialist supervisors.

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Assessment

- Operational testing of TC-AIMS II Block 3 was adequate. The Army and Navy mobility coordination specialist and movement managers were able to successfully execute assigned missions in a JRSOI scenario.
- The ATEC evaluation determined that the TC-AIMS II Block 3 software is operational effective, suitable, and survivable. DOT&E agrees with the ATEC evaluation.
- The TCAIMS II Block 3 operational test event did not assess integrated capabilities of Block 2 and Block 3 as an end-to-end system.
- There was no verification of Block 2 software fixes or an assessment of general purpose users during the operational test event.

Recommendations

- Status of Previous Recommendations. The Army needs to continue the effort to improve Block 2 utility for the general-purpose user (FY05). The TC-AIMS II Program Management Officer has not provided an adequate plan to address DOT&E’s recommendation for additional testing of Block 2 to verify correction of deficiencies (FY05).
- FY07 Recommendation.
  1. The TC-AIMS II Program Management Officer and ATEC should coordinate a follow-on test and evaluation that will verify Block 2 fixes and the integrated capabilities of Blocks 2 and 3.